

# Land Use Decision Tree

## Location: Sonoma County



# Case Studies: Benefits / Costs

- Water Supply quantity, how much water is needed, water quality (less treatment)
- Reliability
- Watershed
- Source - water rights -contract, riparian, ground water
- Relationship to floodplain and watercourse

# Scope of Work: Impacts

- Water demand (net increase and at whose expense)
- Watershed - river function groundwater, subsidence
- Flooding
- Water quality reduced functionality, increased, sedimentation, stormwater pollution, increased peak flows
- Habitat
- Climate change - adaptation and mitigation



# Sonoma Mountain Village

## North America's One Planet Community

- 200.1 Acres
- 1892 Housing Units
- 600,000 Sq. Ft. Commercial
- Suburban Infill mixed-use
- Net zero water use



# The Team



Center for Sustainable Communities, Sonoma State

- Wayne Goldberg and Alex Hinds
- SSU Environmental Studies and Planning Students
- Allison Lassiter, Research Associate
- Celeste Cantu, General Manager, Santa Ana Watershed Project Authority

Elizabeth Patterson, DWR

Proposed Community Partners

- Sonoma County Water Agency
- Sonoma Mountain Village (One Planet/LID Project)
- TBD Sonoma County-Based Development Project

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